(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 8 December 2005 (08.12.2005)

PCT

(10) International Publication Number WO 2005/116116 A1

(51) International Patent Classification⁷: C08F 220/18 // A61K 8/81, C08L 33:06 C08J 3/12,

(21) International Application Number: PCT/JP2005/010101

(22) International Filing Date: 26 May 2005 (26.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

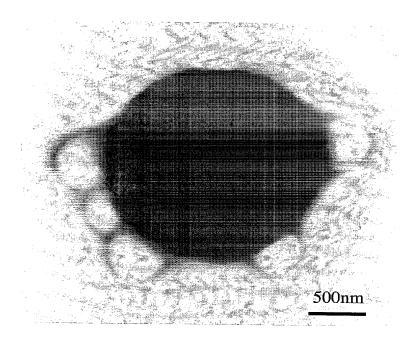
2004-159670 28 May 2004 (28.05.2004) JP 2005-063865 8 March 2005 (08.03.2005)

- (71) Applicant (for all designated States except US): KAO CORPORATION [JP/JP]; 14-10, Nihonbashi-Kayabacho 1-chome, Chuo-ku, Toky, o, 1038210 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HIGASHI, Takashi. KITO, Tetsuji. SASAKI, Yasushi. NAMBU, Hiromi.

- (74) Agents: FURUYA, Satoshi et al.; Hamacho-Hanacho Building, 6th Floor, 2-17-8, Nihonbashi-Hamacho, Chuo-ku, Tokyo, 1030007 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: RESIN PARTICLES



(57) Abstract: The invention relates to crosslinked (meth)acrylate-based resin particles having an average particle diameter of 1 to 10 micro meters, containing monomer components containing a monomer having a carboxyl group and at least one monomer selected from an acrylate and a methacrylate copolymerized therein, the particles having a surface coated with a surfactant having a sulfonic acid group or a sulfonate group, and a process for producing the same.

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.